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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/712,930	11/16/2000	Nancy Berger	BS00-118	3156
7590	03/21/2006		EXAMINER AVELLINO, JOSEPH E	
Whithers & Keys LLC P.O. Box 71355 Marietta, GA 30007-1355			ART UNIT 2143	PAPER NUMBER
DATE MAILED: 03/21/2006				

Please find below and/or attached an Office communication concerning this application or proceeding.

## Office Action Summary

Application No.

09/712,930

Applicant(s)

BERGER ET AL.

Examiner

Joseph E. Avellino

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --  
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

### Status

- 1) ☒ Responsive to communication(s) filed on 30 January 2006.  
2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.  
3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

### Disposition of Claims

- 4) ☒ Claim(s) 1-7 and 9-34 is/are pending in the application.  
4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.  
5) ☒ Claim(s) 1-7 and 9-21 is/are allowed.  
6) ☒ Claim(s) 22-34 is/are rejected.  
7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.  
8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

### Application Papers

- 9) ☐ The specification is objected to by the Examiner.  
10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).  
11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

### Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  
a) ☐ All b) ☐ Some \* c) ☐ None of:  
1. ☐ Certified copies of the priority documents have been received.  
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.  
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).  
\* See the attached detailed Office action for a list of the certified copies not received.

### Attachment(s)

- 1) ☐ Notice of References Cited (PTO-892)  
2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)  
3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)  
Paper No(s)/Mail Date \_\_\_\_\_.  
4) ☐ Interview Summary (PTO-413)  
Paper No(s)/Mail Date \_\_\_\_\_.  
5) ☐ Notice of Informal Patent Application (PTO-152)  
6) ☐ Other: \_\_\_\_\_.

### **DETAILED ACTION**

1. Claims 1-7, and 8-34 are pending in this examination with claims 1, 16, 22, 26, 30 and 34 independent.

### ***Allowable Subject Matter***

2. Claims 1-21 are allowed providing Applicant overcomes the rejection under 25 USC 112, second paragraph.
3. The following is an examiner's statement of reasons for allowance: The prior art does not provide for, nor suggests providing for a system of integrated processing of information which has a first and second network connections connected to the terminal wherein the terminal can provide application functions when the connection is unavailable. As seen in Figure 1, the two network connections are from the terminal to the system, i.e. a WAN network and a separate independent HTTP network. The server of the system includes various external system API's, in order to communicate with the external data systems by exchanging transactional data relevant to the particular data system after logging in a user of the terminal within a first session and the data system communicates using a second session separate from the first session. The system further includes a trusted applet which, in conjunction with a java plug-in incorporated with the browser of the terminal manages communications with the data systems. A master applet is anchored to the banner frame, the master applet is a logical entity

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which is broken down into multiple physical applets to improve class loader performance and simplify component design. The master applet controls interfacing to business logic (i.e. data system instructions objects) and the sequencing of screens in the GUI displayed in the terminal. The master applet remains in state so that the loading and unloading of other physical applets does not result in a loss of the state of the session. For these reasons, in conjunction with the other limitations of the independent claims render this case in condition for allowance.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

### ***Claim Rejections - 35 USC § 112***

4. The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

5. Claims 1-15 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

6. Claim 1 recites the limitation "the terminal displaying the POS application", which lacks antecedent basis.

7. Claim 1 further recites the limitation "over the first and second networks", which also lacks antecedent basis.

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8. Any claims not discussed are rejected as being dependent upon a rejected base claim.

***Claim Rejections - 35 USC § 103***

The text of those sections of Title 35, U.S. Code not included in this action can be found in a prior Office action.

Claims 22, 23, 25-27, 29-31, and 33 rejected under 35 U.S.C. 103(a) as being unpatentable over Fang et al. (USPN 6,243,816) (hereinafter Fang) in view of Auvenshine (USPN 6,725,238)

1. Referring to exemplary claim 22, Fang discloses a system for integrated processing of information from a plurality of data systems, the system comprising:

a first network connection (1, 3), the first network connection adapted to receive information sent from a terminal over a first network and also adapted to received information set to the terminal (Figure 3);

a plurality of data system connections 6, each data system connection of the plurality of data system connections adapted to receive information sent to a respective data system of the plurality of data systems (Figure 3);

a server coupled to the first network connection and the plurality of data system connections, the server including:

a processor (an inherent feature of any machine running the operating systems described in col. 4, lines 7-14);

a memory coupled to the processor, the memory including a plurality of data system instructions objects (i.e. id/password combinations), wherein each data system instructions object of the plurality of data system instructions objects corresponds to a respective data system of the plurality of data systems, and wherein each data system instructions object manages communications between the terminal and the respective data system of the plurality of data systems by the data system instructions object if the plurality that corresponds to a particular data system communicating through an applications interface with the terminal to exchange data relevant to the particular data system and by the data systems instruction object communicating with the corresponding data system through a separate application programming interface from the communications with the terminal in order to exchange data between the data systems instruction object and the data system (i.e. it is managed by the object since if the object does not approve of the connection to the data system, it is not allowed) (e.g. abstract; Figure 6; col. 4, lines 1-6; col. 5, lines 1-20; col. 6, lines 42-49; col. 6, line 64 to col. 7, line 30).

Fang does not disclose exchanging transactional data via a first session between the terminal and the server and exchanging transactional data via a second session between the server and the data systems, wherein the server further provides an icon to the terminal where the icon represents the data system that the terminal may access

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through the server and provides access to the data system upon being selected at the terminal and where the icon is displayed by the server at the terminal upon the server completing the login to the data system. In analogous art, Auvenshine discloses another system for integrated processing of information which discloses exchanging transactional data (i.e. HTTP request for data) via a first session between the terminal and the server and exchanging transactional data via a second session between the server and the data systems (i.e. the browser 22 sends an HTTP request to the application server 24, which then transmits, via a second session connecting the data server and application server, a request for the requested data, which is then retrieved, and then transmitted back to the user), wherein the server further provides an icon to the terminal where the icon represents the data system that the terminal may access through the server and provides access to the data system upon being selected at the terminal and where the icon is displayed by the server at the terminal upon the server completing the login to the data system (Figure 2, ref. 32; col. 5, lines 5-10, 15-20, 30-35, and 55-60. It would have been obvious to one of ordinary skill in the art to combine the teaching of Auvenshine with Fang in order to ensure compatibility and interoperability with current installed platforms, as supported by Auvenshine (col. 1, lines 60-62), and further to allow users to remotely access data files from any computer with a standard browser installed as also supported by Auvenshine (col. 1, lines 55-60), thereby providing the SSO program of Fang the ability to be utilized by any computer, local or remote.

2. Referring to claims 23 and 25, Fang discloses the memory includes a user profile (i.e. a login coordinator; Figure 5), wherein the user profile instructions object:

receives login information of a user from the terminal (Figure 3; col. 6, lines 42-45); and

determines the access rights of the user for each respective data system of the plurality of data systems (col. 6, lines 42-49).

3. Referring to claim 6, Fang discloses the plurality of data systems instructions objects are object-oriented software modules (the Office takes the term “object-oriented” to mean “able to organize the software modules in a hierarchal manner”) (Figure 10 and pertinent portions of the disclosure).

4. Referring to claim 9, Fang discloses the first network connection is a WAN port (i.e. Internet) (col. 12, lines 44-45).

5. Referring to claim 14, Fang discloses each data system being coupled to the server via a respective data system connection of the plurality of data system connections (Figure 3).

6. Claims 25-27, 29-31, and 33 are rejected for similar reasons as stated above. Furthermore Fang discloses sending the data system access rights information to a terminal based at least in part on the determined set of data systems of the plurality of



data systems to which the user has access (Figure 6 and related portions of the disclosure).

Claims 24, 28, and 32 are rejected under 35 U.S.C. 103(a) as being unpatentable over Fang in view of Auvenshine in view of Star (US Pre-Grant Pub. 2002/0062270).

7. Referring to exemplary claim 24, Fang in view of Auvenshine discloses the invention substantively as described in claim 1. Fang in view of Auvenshine furthermore discloses the plurality of data system connections includes a first data system connection and a second data system connection, and the plurality of data system instructions objects include a first data system instructions object and a second data systems instructions object, wherein the first data systems instructions object is different from the second data systems instructions object (Fang, Figure 5 and related portions of the disclosure). Fang in view of Auvenshine does not specifically state that the first data system connection and the second data system connection are selected from the group consisting of a credit services system connection, an inventory services system connection, a customer services system connection, and an activations system connection and the plurality of data system instructions objects are selected from the group consisting of a credit services instructions object, an inventory services instructions object, customer services instructions object, and an activations system instructions object. In analogous art, Star discloses another integrated processing

system from a plurality of data systems wherein the first data system connection and the second data system connection are selected from the group consisting of a credit services system connection, an inventory services system connection, a customer services system connection, and an activations system connection and the plurality of data system instructions objects are selected from the group consisting of a credit services instructions object, an inventory services instructions object, customer services instructions object, and an activations system instructions object (pp. 3-4, ¶ 24; p. 5, ¶ 33). It would be obvious to a person of ordinary skill in the art at the time the invention was made to combine the teaching of Star with Fang and Auvenshine to facilitate a small business with the services required for managing the day-to-day financial transactions of the company as supported by Star (p. 1, ¶ 8).

8. Referring to claim 24, Fang in view of Auvenshine discloses the invention substantively as described in claim 1. Fang in view of Auvenshine does not specifically disclose the memory includes an accounting services instructions object. In analogous art, Star discloses another integrated processing system from a plurality of data systems wherein the memory includes an accounting services instructions object (pp. 3-4, ¶ 24). It would be obvious to a person of ordinary skill in the art at the time the invention was made to combine the teaching of Star with Fang and Auvenshine to facilitate a small business with the services required for managing the day-to-day financial transactions of the company as supported by Star (p. 1, ¶ 8).

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9. Claims 28, and 32 are rejected for similar reasons as stated above.

Claim 34 is rejected under 35 U.S.C. 103(a) as being unpatentable over Fang in view of Auvenshine in view of Cusack as used in the rejections above, and further in view of Levie et al. (USPN 6,065,679) (hereinafter Levie).

10. Referring to claim 34, Fang in view of Auvenshine in view of Cusack disclose the invention substantively as described in claim 18. Fang in view of Auvenshine in view of Cusack do not specifically disclose having POS offline instructions to provide POS application functions wherein a data connection between the terminal and server is inoperable, and a persistent message queue to store the POS application information. Levie discloses another POS application system which includes having POS offline instructions to provide POS application functions wherein a data connection between the terminal and server is inoperable, and a persistent message queue to store the POS application information (col. 64, lines 56 to col. 65, line 15). It would be obvious to a person of ordinary skill in the art at the time the invention was made to combine the teaching of Levie with Fang, Auvenshine and Cusack to allow financial transactions to occur wherein there is no environment which does not provide access phone lines or networks as supported by Levie (col. 65, lines 1-10).

***Response to Arguments***

11. Applicant's arguments with respect to claims 1-34 have been considered but are not persuasive.

12. Applicant argues, in substance, that (1) providing a link providing access to the file system in the data server is not the same as an icon being displayed by the server at the terminal.

13. As to point (1) Applicant is incorrect, once the remote desktop is sufficiently logged into the data system, then, *and only then*, will the icon be displayed to the desktop. The user is not allowed to access the file system until the GUI is authenticated. By this rationale, the rejection is maintained.

***Conclusion***

14. **THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of

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the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Joseph E. Avellino whose telephone number is (571) 272-3905. The examiner can normally be reached on Monday-Friday 7:00-4:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, David A. Wiley can be reached on (571) 272-3923. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



JEA  
March 7, 2006



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